Remarks/Arguments:

Applicant thanks the Examiner for the Interview on May 30, 2007 and the opportunity to discuss claim 1 in view of the cited references. Applicant also thanks the Examiner for his helpful suggestions.

Claims 1-20 stand rejected.

Section 103 Rejections:

Claims 1-4, 6-8, 10-13, 15, 16, 18 and 19 have been rejected as being obvious in view of Kakarala and Shima. Applicant respectfully submits that this rejection is overcome for the reasons set forth below.

Amended <u>claim 1</u> now includes features which are not suggested by the cited references, namely:

- a sensor for capturing a current image using a first exposure time …

- and capturing an event image using a second exposure time …

- an image processing system for performing a comparison … of … said current image and … a stored reference image captured using the first exposure time …

- the image processing system further … detecting the event in the current image based upon the comparison and instructing the sensor to capture the event image;

- wherein **the first and second exposure times are, respectively, first and second time periods for exposing an array of pixels to capture a respective image to produce sensor values**, and

- **the second exposure time is less than the first exposure time**.

Basis for amended claim 1 may be found, for example, at page 8, lines 3-15. As described, sensor 20 captures current image 35a using a long exposure time (e.g., up to approximately six seconds) with a long exposure time, the temporal resolution moving objects within the captured image deteriorates due to image blurring resulting from the motion. However, the temporal resolution is sufficient to detect the occurrence of motion relative to reference image 140 taken prior to current image 35a.

As also described, for example, at page 9, lines 3-5, once an event is detected, the event detection module 120 activates illumination source 150 and instructs exposure controller 320 to reduce the exposure time and instructs sensor 20 to take one or more subsequent event images 35b.

The Office Action at page 3, first paragraph, states that the first exposure time shown in Kakarala of FIG. 1 captures images for a period of time until an event is detected. It only takes an instance to send the event notification, because the time it takes to wait for an event to happen is usually longer than the time it takes for the system to send the event notification. Kakarala, however, does **not** disclose features of amended claim 1, namely, a sensor for capturing a current image using a first exposure time, and capturing an event image using a

second exposure time, where after performing a comparison between the current image and a stored reference image, the processor instructs the sensor to detect an event in the current image using a second exposure time.

Furthermore, Kakarala does **not** suggest a first exposure time and a second exposure time which are each defined as time periods for exposing an array of pixels to capture a respective image to produce sensor values. Further still, Kakarala does **not** suggest a second exposure time which is less than a first exposure time.

Shima discloses capturing event images after an event is detected. Shima, however, does **not** disclose any of the above described features which are missing from Kakarala.
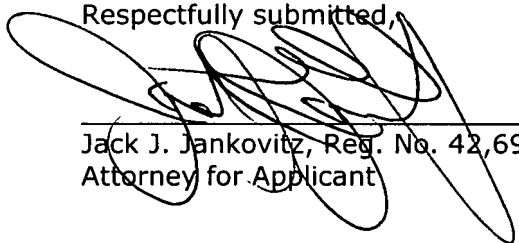
Favorable reconsideration is respectfully requested for amended claim 1. Although not the same, independent <u>claims 10 and 17</u> have been amended to include features similar to amended claim 1. These independent claims are, therefore, not subject to rejection in view of the cited references for the same reasons set forth for amended claim 1.

Dependent <u>claims 2-9</u> depend from amended claim 1. Dependent <u>claims 11-16</u> depend from amended claim 10. Dependent <u>claims 18-20</u> depend from amended claim 17. These dependent claims are, therefore, not subject to rejection in view of the cited references for at least the same reasons set forth for amended claim 1. Favorable reconsideration is respectfully requested.

<u>Conclusion</u>

This application is now in condition for allowance.

Respectfully submitted,

Jack J. Jankovitz, Reg. No. 42,690
Attorney for Applicant
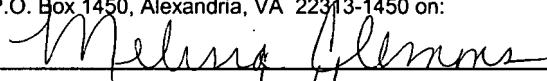
JJJ/mc
Dated: June 14, 2007
P.O. Box 980
Valley Forge, PA 19482
(610) 407-0700

The Director is hereby authorized to charge or credit Deposit Account No. **18-0350** for any additional fees, or any underpayment or credit for overpayment in connection herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

6/14/07

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